

PCT

REC'D 24 DEC 2003

INTERNATIONAL SEARCH REPORT

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(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PHNL020834WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. PCT/IB 03/03496	International filing date (day/month/year) 06/08/2003	(Earliest) Priority Date (day/month/year) 13/09/2002
Applicant KONINKLIJKE PHILIPS ELECTRONICS N.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

CODING OF INFORMATION IN INTEGRATED CIRCUITS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

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☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No
PCT 03/03496

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03M5/02

10/527551

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NOGAMI K ET AL: "A CMOS 160 Mb/s phase modulation I/O interface circuit" PROC. OF SOLID-STATE CIRCUITS CONFERENCE 1994, 16 February 1994 (1994-02-16), pages 108-109, XP010121051 San Francisco, USA ISBN: 0-7803-1844-7 page 108; figures 1,3 ----	1-10
A	US 6 148 038 A (DROST ROBERT J ET AL) 14 November 2000 (2000-11-14) column 1 -column 7; figures 1,2,4-6 ----	1-10
A	GB 2 089 122 A (HITACHI LTD) 16 June 1982 (1982-06-16) cited in the application the whole document ----- -/-	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *F* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *G* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of completion of the international search

Date of mailing of the international search report

17 December 2003

30/12/2003

Name and mailing address of the ISA

Authorized officer

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INTERNATIONAL SEARCH REPORT

International Publication No
PCT/03/03496

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>RENAUDIN M: "Asynchronous circuits and systems: a promising design alternative" MICROELECTRONIC ENGINEERING, ELSEVIER PUBLISHERS BV., vol. 54, no. 1-2, December 2000 (2000-12), pages 133-149, XP004360498 AMSTERDAM, NL ISSN: 0167-9317 the whole document</p> <p>-----</p>	1-10

INTERNATIONAL SEARCH REPORT
Information on patent family members

International Application No
PCT/03/03496

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6148038	A	14-11-2000	AU	6588798 A		22-10-1998
			EP	1013038 A1		28-06-2000
			WO	9844689 A1		08-10-1998
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GB 2089122	A	16-06-1982	JP	57084149 A		26-05-1982
			DE	3145039 A1		16-09-1982
			FR	2498852 A1		30-07-1982
			IT	1140065 B		24-09-1986
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